EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S45	40804	link$3 with (two seperate additional another second next) with (tree graph data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:10
S46	2882	((717/105,125) or (715/764,771,853, 854)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/12 10:52
S47	216	S45 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:58
S48	595	link with (two seperate additional) with tree	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:58
S49	12	S46 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:58
S50	2336	link$3 with (two seperate additional another second next) with (tree graph)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:20
S51	50	S46 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:10
S52	1099	join$3 with (two seperate additional another second next) with (tree graph)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:20
S53	4	S46 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:20

EAST Search History

S54	1	("6654759").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/12 09:57
S55	1936	((717/105,125,127) or (715/767,771, 854)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/12 11:15
S56	14	hyperbolic and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 11:16

Term used **hyperbolic** Found **939** of **176,279**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 The effects of information scent on visual search in the hyperbolic tree browser
Peter Pirolli, Stuart K. Card, Mija M. Van Der Wege
March 2003 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 10 Issue 1
Publisher: ACM Press
Full text available: pdf(2.37 MB) Additional Information: full citation, abstract, references, index terms

The Hyperbolic Tree is a focus + context information visualization that has been developed to amplify users' ability to navigate large tree-structured information systems. Information scent is a theoretical construct that captures one kind of interaction between task and display. Information scent is provided by task-relevant display cues, such as node labels on a tree that influence a user's visual search behavior and navigation decisions. An empirical Accuracy of Scent (AOS) score was develope ...

Keywords: Hyperbolic Tree, Information visualization, fisheye-lens visual search, focus+context, information foraging, information scent, interactive computer graphics

2 A focus+context technique based on hyperbolic geometry for visualizing large hierarchies
John Lamping, Ramana Rao, Peter Pirolli
May 1995 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press/Addison-Wesley Publishing Co.
Full text available: html(38.68 KB) Additional Information: full citation, references, citings, index terms

3 Visualizing hyperbolic space: unusual uses of 4x4 matrices
Mark Phillips, Charlie Gunn
June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**
Publisher: ACM Press
Full text available: pdf(665.48 KB) Additional Information: full citation, references, citings, index terms

4 Visualizing trees with a hyperbolic projection in one dimension
Alexander Kolliopoulos
April 2003 **Journal of Computing Sciences in Colleges**, Volume 18 Issue 4
Publisher: Consortium for Computing Sciences in Colleges
Full text available: pdf(35.06 KB) Additional Information: full citation, abstract, references, index terms

Terms used **hyperbolic connect** Found **41,953** of **176,279**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window
Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Rotation distance, triangulations, and hyperbolic geometry
D D Sleator, R E Tarjan, W P Thurston
November 1986 **Proceedings of the eighteenth annual ACM symposium on Theory of computing**
Publisher: ACM Press
Full text available: pdf(1.17 MB) Additional Information: full citation, references, citings, index terms

2 Visualizing the structure of the World Wide Web in 3D hyperbolic space
Tamara Munzner, Paul Burchard
January 1995 **Proceedings of the first symposium on Virtual reality modeling language**
Publisher: ACM Press
Full text available: pdf(3.24 MB) Additional Information: full citation, references, citings, index terms

3 Discrete groups and visualization of three-dimensional manifolds
Charlie Gunn
September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press
Full text available: pdf(784.44 KB) Additional Information: full citation, references, citings, index terms

Keywords: curvature, discrete group, geodesic, hyperbolic geometry, projective geometry, quotient space, spherical geometry, tessellation

4 Parallel computation over hyperbolic groups
Jin-yi Cai
July 1992 **Proceedings of the twenty-fourth annual ACM symposium on Theory of computing**
Publisher: ACM Press
Full text available: pdf(829.24 KB) Additional Information: full citation, abstract, references, index terms

Hyperbolic groups are a rich class of groups frequently encountered in mathematical research, particularly in topology. It has been the focus of intense study by many combinatorial group theorists and topologists recently. We present some computational results for infinite groups, especially for hyperbolic groups. It is shown that the word

Term used **hyperbolic** Found **939** of **176,279**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 The effects of information scent on visual search in the hyperbolic tree browser
Peter Pirolli, Stuart K. Card, Mija M. Van Der Wege
March 2003 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 10 Issue 1
Publisher: ACM Press
Full text available: pdf(2.37 MB) Additional Information: full citation, abstract, references, index terms

The Hyperbolic Tree is a focus + context information visualization that has been developed to amplify users' ability to navigate large tree-structured information systems. Information scent is a theoretical construct that captures one kind of interaction between task and display. Information scent is provided by task-relevant display cues, such as node labels on a tree that influence a user's visual search behavior and navigation decisions. An empirical Accuracy of Scent (AOS) score was develope ...

Keywords: Hyperbolic Tree, Information visualization, fisheye-lens visual search, focus+context, information foraging, information scent, interactive computer graphics

2 A focus+context technique based on hyperbolic geometry for visualizing large hierarchies
John Lamping, Ramana Rao, Peter Pirolli
May 1995 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press/Addison-Wesley Publishing Co.
Full text available: html(38.68 KB) Additional Information: full citation, references, citings, index terms

3 Visualizing hyperbolic space: unusual uses of 4x4 matrices
Mark Phillips, Charlie Gunn
June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**
Publisher: ACM Press
Full text available: pdf(665.48 KB) Additional Information: full citation, references, citings, index terms

4 Visualizing trees with a hyperbolic projection in one dimension
Alexander Kolliopoulos
April 2003 **Journal of Computing Sciences in Colleges**, Volume 18 Issue 4
Publisher: Consortium for Computing Sciences in Colleges
Full text available: pdf(35.06 KB) Additional Information: full citation, abstract, references, index terms

Results for "((hperbolic <and> runtime)<in>metadata,pdfdata)"
Your search matched **1347830** of **1348795** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

1. **Miniature Temperature-Insensitive Fabry–PÉrot Fiber-Optic Pressure Sensor**
Xu, J.; Wang, X.; Cooper, K.L.; Pickrell, G.R.; Wang, A.;
Photonics Technology Letters, IEEE
Volume 18, Issue 10, May 15 2006 Page(s):1134 - 1136
Digital Object Identifier 10.1109/LPT.2006.873361
AbstractPlus | Full Text: PDF(136 KB) IEEE JNL
Rights and Permissions

2. **Experimental Comparison of PMD-Induced System Penalty Models**
Cornick, K.E.; Boroditsky, M.; Finch, S.; Dods, S.D.; Farrell, P.M.;
Photonics Technology Letters, IEEE
Volume 18, Issue 10, May 15 2006 Page(s):1149 - 1151
Digital Object Identifier 10.1109/LPT.2006.874688
AbstractPlus | Full Text: PDF(232 KB) IEEE JNL
Rights and Permissions

3. **The Use of Transparent Conducting Indium–Zinc Oxide Film as a Current Spreadir Layer for Vertical-Structured High-Power GaN-Based Light-Emitting Diodes**
Wang, S.-J.; Chen, S.-L.; Uang, K.-M.; Lee, W.-C.; Chen, T.-M.; Chen, C.-H.; Liou, B.-W
Photonics Technology Letters, IEEE
Volume 18, Issue 10, May 15 2006 Page(s):1146 - 1148
Digital Object Identifier 10.1109/LPT.2006.873338
AbstractPlus | Full Text: PDF(1224 KB) IEEE JNL
Rights and Permissions

4. **A Continuous-Wave Hybrid AlGaInAs–Silicon Evanescent Laser**
Fang, A.W.; Park, H.; Jones, R.; Cohen, O.; Paniccia, M.J.; Bowers, J.E.;
Photonics Technology Letters, IEEE
Volume 18, Issue 10, May 15 2006 Page(s):1143 - 1145
Digital Object Identifier 10.1109/LPT.2006.874690
AbstractPlus | Full Text: PDF(376 KB) IEEE JNL
Rights and Permissions

5. **Single Modulator Payload/Label Encoding and Node Operations for Optical Label Switching**
Lize, Y.K.; Liu, X.; Kashyap, R.;
Photonics Technology Letters, IEEE
Volume 18, Issue 10, May 15 2006 Page(s):1140 - 1142
Digital Object Identifier 10.1109/LPT.2006.873925
AbstractPlus | Full Text: PDF(720 KB) IEEE JNL
Rights and Permissions

Results for "(hyperbolic <phrase> (graph <or> tree <or> space)<in>metadata)"
Your search matched 17 of 1348795 documents.
A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

New Search

Modify Search

(hyperbolic <phrase> (graph <or> tree <or> space)<in>metadata) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Non-Euclidean spring embedders**
Kobourov, S.G.; Wampler, K.;
Visualization and Computer Graphics, IEEE Transactions on
Volume 11, Issue 6, Nov.-Dec. 2005 Page(s):757 - 767
Digital Object Identifier 10.1109/TVCG.2005.103
AbstractPlus | Full Text: PDF(1416 KB) IEEE JNL
Rights and Permissions

2. **Geometric analysis of partially polarized electromagnetic waves**
Bolinder, E.;
Antennas and Propagation, IEEE Transactions on [legacy, pre - 1988]
Volume 15, Issue 1, Jan 1967 Page(s):37 - 40
AbstractPlus | Full Text: PDF(288 KB) IEEE JNL
Rights and Permissions

3. **Exploring large graphs in 3D hyperbolic space**
Munzner, T.;
Computer Graphics and Applications, IEEE
Volume 18, Issue 4, July-Aug. 1998 Page(s):18 - 23
Digital Object Identifier 10.1109/38.689657
AbstractPlus | References | Full Text: PDF(820 KB) IEEE JNL
Rights and Permissions

4. **Real-time rendering in curved spaces**
Weeks, J.;
Computer Graphics and Applications, IEEE
Volume 22, Issue 6, Nov.-Dec. 2002 Page(s):90 - 99
Digital Object Identifier 10.1109/MCG.2002.1046633
AbstractPlus | References | Full Text: PDF(2484 KB) IEEE JNL
Rights and Permissions

5. **"AWGN"-signal transmission in hyperbolic spaces**
Agustini, E.; Costa, S.I.R.;
Information Theory, 2005. ISIT 2005. Proceedings. International Symposium on
4-9 Sept. 2005 Page(s):875 - 878
AbstractPlus | Full Text: PDF(180 KB) IEEE CNF
Rights and Permissions

6. **Worm propagation and defense over hyperbolic graphs**
Jonckheere, E.;

Results for "(hyperbolic <phrase> (graph <or> tree <or> space)<in>metadata)"
Your search matched **17** of **1348795** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

1. **Non-Euclidean spring embedders**
Kobourov, S.G.; Wampler, K.;
Visualization and Computer Graphics, IEEE Transactions on
Volume 11, Issue 6, Nov.-Dec. 2005 Page(s):757 - 767
Digital Object Identifier 10.1109/TVCG.2005.103
AbstractPlus | Full Text: PDF(1416 KB) **IEEE JNL**
Rights and Permissions

2. **Geometric analysis of partially polarized electromagnetic waves**
Bolinder, E.;
Antennas and Propagation, IEEE Transactions on [legacy, pre - 1988]
Volume 15, Issue 1, Jan 1967 Page(s):37 - 40
AbstractPlus | Full Text: PDF(288 KB) **IEEE JNL**
Rights and Permissions

3. **Exploring large graphs in 3D hyperbolic space**
Munzner, T.;
Computer Graphics and Applications, IEEE
Volume 18, Issue 4, July-Aug. 1998 Page(s):18 - 23
Digital Object Identifier 10.1109/38.689657
AbstractPlus | References | Full Text: PDF(820 KB) **IEEE JNL**
Rights and Permissions

4. **Real-time rendering in curved spaces**
Weeks, J.;
Computer Graphics and Applications, IEEE
Volume 22, Issue 6, Nov.-Dec. 2002 Page(s):90 - 99
Digital Object Identifier 10.1109/MCG.2002.1046633
AbstractPlus | References | Full Text: PDF(2484 KB) **IEEE JNL**
Rights and Permissions

5. **"AWGN"-signal transmission in hyperbolic spaces**
Agustini, E.; Costa, S.I.R.;
Information Theory, 2005. ISIT 2005. Proceedings. International Symposium on
4-9 Sept. 2005 Page(s):875 - 878
AbstractPlus | Full Text: PDF(180 KB) **IEEE CNF**
Rights and Permissions

6. **Worm propagation and defense over hyperbolic graphs**
Jonckheere, E.;

Results for "(hyperbolic <phrase> (graph <or> tree <or> space)<in>metadata)"
Your search matched **17** of **1348795** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

1. **Non-Euclidean spring embedders**
Kobourov, S.G.; Wampler, K.;
Visualization and Computer Graphics, IEEE Transactions on
Volume 11, Issue 6, Nov.-Dec. 2005 Page(s):757 - 767
Digital Object Identifier 10.1109/TVCG.2005.103
AbstractPlus | Full Text: PDF(1416 KB) **IEEE JNL**
Rights and Permissions

2. **Geometric analysis of partially polarized electromagnetic waves**
Bolinder, E.;
Antennas and Propagation, IEEE Transactions on [legacy, pre - 1988]
Volume 15, Issue 1, Jan 1967 Page(s):37 - 40
AbstractPlus | Full Text: PDF(288 KB) **IEEE JNL**
Rights and Permissions

3. **Exploring large graphs in 3D hyperbolic space**
Munzner, T.;
Computer Graphics and Applications, IEEE
Volume 18, Issue 4, July-Aug. 1998 Page(s):18 - 23
Digital Object Identifier 10.1109/38.689657
AbstractPlus | References | Full Text: PDF(820 KB) **IEEE JNL**
Rights and Permissions

4. **Real-time rendering in curved spaces**
Weeks, J.;
Computer Graphics and Applications, IEEE
Volume 22, Issue 6, Nov.-Dec. 2002 Page(s):90 - 99
Digital Object Identifier 10.1109/MCG.2002.1046633
AbstractPlus | References | Full Text: PDF(2484 KB) **IEEE JNL**
Rights and Permissions

5. **"AWGN"-signal transmission in hyperbolic spaces**
Agustini, E.; Costa, S.I.R.;
Information Theory, 2005. ISIT 2005. Proceedings. International Symposium on
4-9 Sept. 2005 Page(s):875 - 878
AbstractPlus | Full Text: PDF(180 KB) **IEEE CNF**
Rights and Permissions

6. **Worm propagation and defense over hyperbolic graphs**
Jonckheere, E.;